

(FILE 'HOME' ENTERED AT 11:37:33 ON 02 JUN 2004)

FILE 'REGISTRY' ENTERED AT 11:37:43 ON 02 JUN 2004

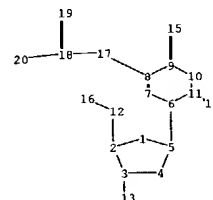
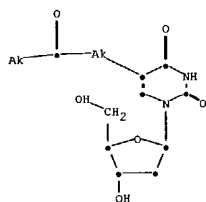
L1               STRUCTURE UPLOADED

L2               1 S L1 SSS SAM

L3               8 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 11:38:23 ON 02 JUN 2004

L4               11 S L3



chain nodes :

12 13 14 15 16 17 18 19 20

ring nodes :

1 2 3 4 5 6 7 8 9 10 11

chain bonds :

2-12 3-13 5-6 8-17 9-15 11-14 12-16 17-18 18-19 18-20

ring bonds :

1-2 1-5 2-3 3-4 4-5 6-7 6-11 7-8 8-9 9-10 10-11

exact/norm bonds :

1-2 1-5 2-3 3-4 3-13 4-5 5-6 6-7 6-11 7-8 8-9 8-17 9-10 9-15 10-11 11-14  
17-18 18-19 18-20

exact bonds :

2-12 12-16

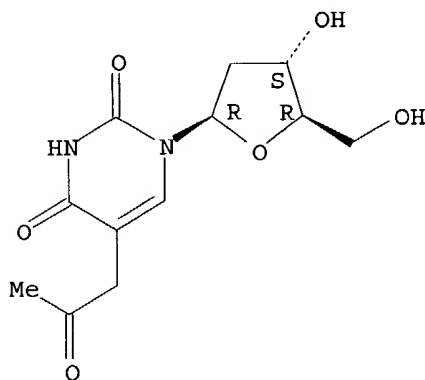
match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom  
12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom

L4 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:375651 CAPLUS  
DOCUMENT NUMBER: 139:256798  
TITLE: Synthesis and some biochemical properties of a novel  
5,6,7,8-tetrahydropyrimido[4,5-c]pyridazine nucleoside  
AUTHOR(S): Loakes, David; Brown, Daniel M.; Salisbury, Stephen  
A.; McDougall, Mark G.; Neagu, Constantin; Nampalli,  
Satyam; Kumar, Shiv  
CORPORATE SOURCE: Laboratory of Molecular Biology, Medical Research  
Council, Cambridge, CB2 2QH, UK  
SOURCE: Helvetica Chimica Acta (2003), 86(4), 1193-1204  
CODEN: HCACAV; ISSN: 0018-019X  
PUBLISHER: Verlag Helvetica Chimica Acta  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
IT 77181-59-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(novel 5,6,7,8-tetrahydropyrimido[4,5-c]pyridazine nucleoside can be  
incorporated into DNA and exhibits ambiguous base-pairing properties)  
RN 77181-59-0 CAPLUS  
CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

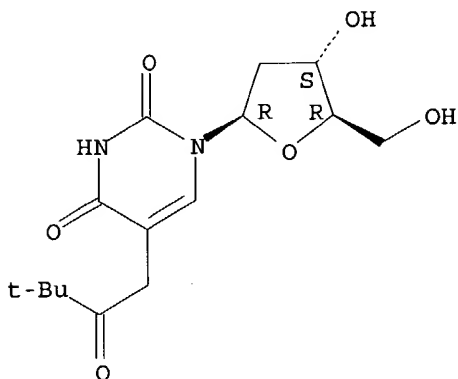
ACCESSION NUMBER: 2000:443032 CAPLUS  
DOCUMENT NUMBER: 133:222940  
TITLE: Independent Generation and Reactivity of  
2'-Deoxy-5-methylenuridin-5-yl, a Significant  
Reactive Intermediate Produced from Thymidine as a  
Result of Oxidative Stress  
AUTHOR(S): Anderson, Aaron S.; Hwang, Jae-Taeg; Greenberg, Marc  
M.  
CORPORATE SOURCE: Department of Chemistry, Colorado State University,  
Fort Collins, CO, 80523, USA  
SOURCE: Journal of Organic Chemistry (2000), 65(15), 4648-4654  
CODEN: JOCEAH; ISSN: 0022-3263  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 133:222940  
IT 291525-15-0  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(independent generation and reactivity of 2'-deoxy-5-methylenuridin-5-

yl, a significant reactive intermediate produced from thymidine as a result of oxidative stress)

RN 291525-15-0 CAPLUS

CN Uridine, 2'-deoxy-5-(3,3-dimethyl-2-oxobutyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 291525-16-1P

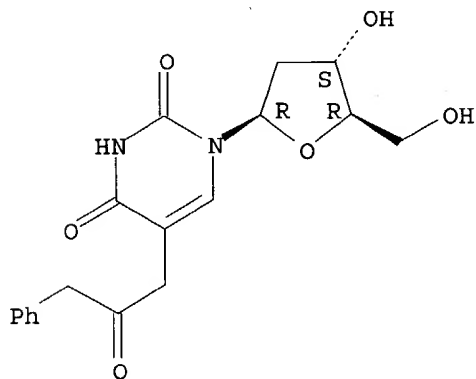
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(independent generation and reactivity of 2'-deoxy-5-methylenuridin-5-yl, a significant reactive intermediate produced from thymidine as a result of oxidative stress)

RN 291525-16-1 CAPLUS

CN Uridine, 2'-deoxy-5-(2-oxo-3-phenylpropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

48

THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1988:529554 CAPLUS

DOCUMENT NUMBER: 109:129554

TITLE: Reactions between methiodides of nucleoside Mannich bases and carbon nucleophiles

AUTHOR(S): Badman, Geoffrey T.; Reese, Colin B.

CORPORATE SOURCE: Dep. Chem., King's Coll., London, WC2R 2LS, UK

SOURCE: Journal of the Chemical Society, Chemical

Communications (1987), (22), 1732-4

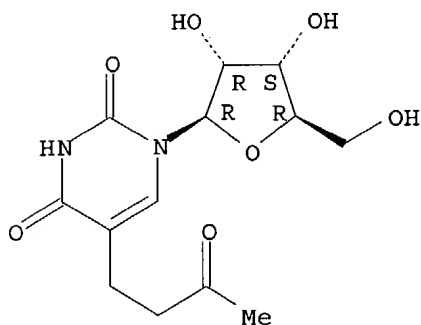
CODEN: JCCCAT; ISSN: 0022-4936

DOCUMENT TYPE:

Journal

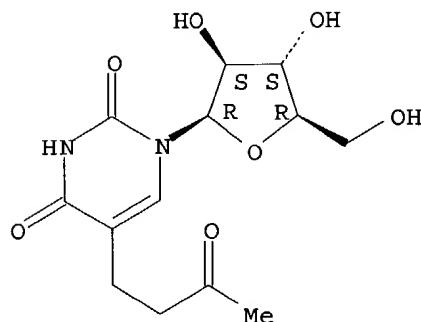
LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 109:129554  
 IT 116235-28-0P 116235-29-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and hydrolysis of)  
 RN 116235-28-0 CAPLUS  
 CN Uridine, 5-(3-oxobutyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



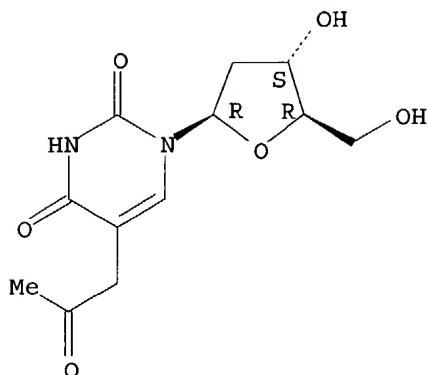
RN 116235-29-1 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 1-β-D-arabinofuranosyl-5-(3-oxobutyl)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



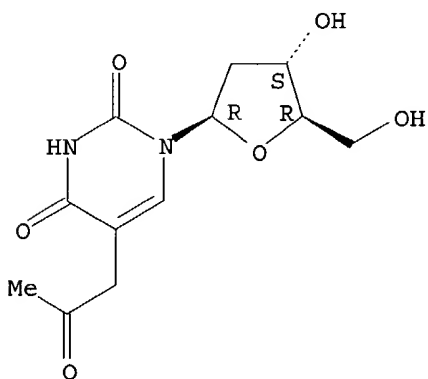
L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1986:490825 CAPLUS  
 DOCUMENT NUMBER: 105:90825  
 TITLE: Susceptibility of varicella-zoster virus to thymidine  
 analogs  
 AUTHOR(S): Machida, Haruhiko  
 CORPORATE SOURCE: Res. Lab., Yamasa Shoyu Co., Ltd., Choshi, 288, Japan  
 SOURCE: Biken Journal (1986), 29(1), 1-6  
 CODEN: BKNJA5; ISSN: 0006-2324  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 77181-59-0  
 RL: BIOL (Biological study)  
 (varicella-zoster virus susceptibility to)  
 RN 77181-59-0 CAPLUS  
 CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1986:179778 CAPLUS  
 DOCUMENT NUMBER: 104:179778  
 TITLE: Comparison of susceptibilities of varicella-zoster virus and herpes simplex viruses to nucleoside analogs  
 AUTHOR(S): Machida, Haruhiko  
 CORPORATE SOURCE: Res. Lab., Yamasa Shoyu Co. Ltd., Choshi, 288, Japan  
 SOURCE: Antimicrobial Agents and Chemotherapy (1986), 29(3), 524-6  
 CODEN: AMACCQ; ISSN: 0066-4804  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 77181-59-0  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (antiviral activity of, against varicella zoster and herpes simplex)  
 RN 77181-59-0 CAPLUS  
 CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

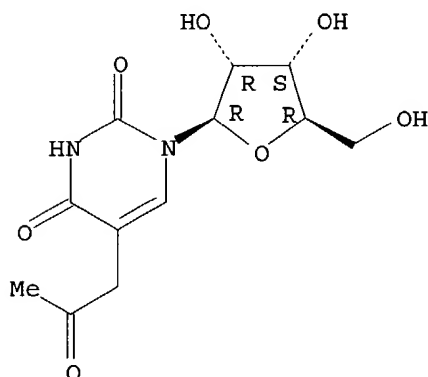
Absolute stereochemistry.



L4 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1984:468654 CAPLUS  
 DOCUMENT NUMBER: 101:68654  
 TITLE: Analysis of ribonucleosides in biological matrices  
 AUTHOR(S): Gehrke, Charles W.; Zumwalt, Robert W.; Kuo, Kenneth C.  
 CORPORATE SOURCE: Dep. Biochem., Univ. Missouri, Columbia, MO, USA

SOURCE: Clin. Liq. Chromatogr. (1984), Volume 2, 139-54.  
 Editor(s): Kabra, Pokar M.; Marton, Laurence J. CRC:  
 Boca Raton, Fla.  
 CODEN: 51YEAY  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English  
 IT 77181-66-9  
 RL: ANT (Analyte); ANST (Analytical study)  
 (determination of, in biol. fluids by reversed-phase HPLC with UV detection)  
 RN 77181-66-9 CAPLUS  
 CN Uridine, 5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

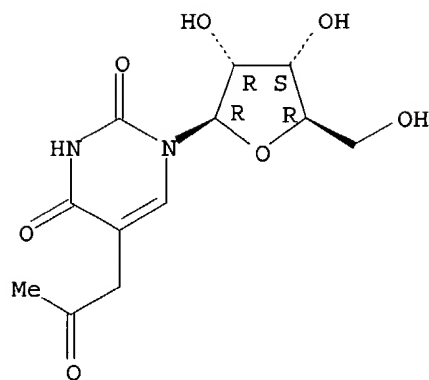


L4 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1982:456196 CAPLUS  
 DOCUMENT NUMBER: 97:56196  
 TITLE: 5-Acetonide-1-beta-D-arabinofuranosyluracil  
 PATENT ASSIGNEE(S): Yamasa Shoyu Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 57018697	A2	19820130	JP 1980-93312	19800710
PRIORITY APPLN. INFO.:			JP 1980-93312	19800710

IT 77181-66-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and epimerization of)  
 RN 77181-66-9 CAPLUS  
 CN Uridine, 5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



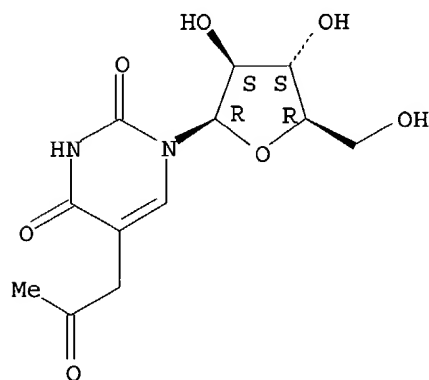
IT 77181-67-0P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 77181-67-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 1-β-D-arabinofuranosyl-5-(2-oxopropyl)-  
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1982:62588 CAPLUS

DOCUMENT NUMBER: 96:62588

TITLE: Selective antiherpes viral activity of 5-substituted  
derivatives of 1-β-D-arabinofuranosyluracil

AUTHOR(S): Machida, Haruhiko; Sakata, Shinji; Shibuya, Susumu;  
Ikeda, Kazuyoshi; Nakayama, Chikao; Saneyoshi, Mineo

CORPORATE SOURCE: Res. Lab., Yamasa Shoyu Co. Ltd., Choshi, Japan

SOURCE: Antiviral Chemother.: Des. Inhib. Viral Funct.,  
[Proc. Symp. Antiviral Chemother.] (1981), Meeting

Date 1980, 207-17. Editor(s): Gauri, Kailash K.

Academic: New York, N. Y.

CODEN: 46UVAL

DOCUMENT TYPE: Conference

LANGUAGE: English

IT 77181-59-0 77181-66-9

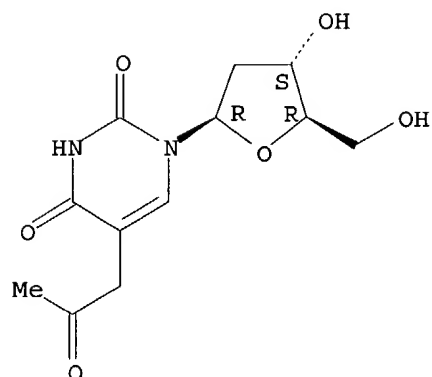
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(antiherpes activity of, structure in relation to)

RN 77181-59-0 CAPLUS

CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

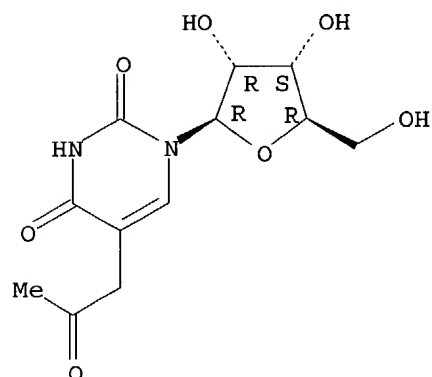


Absolute stereochemistry.



RN 77181-66-9 CAPLUS  
CN Uridine, 5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

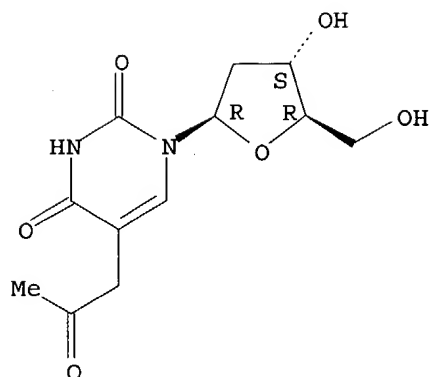


L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1982:7038 CAPLUS  
DOCUMENT NUMBER: 96:7038  
TITLE: Deoxyuridine derivatives  
PATENT ASSIGNEE(S): Yamasa Shoyu Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

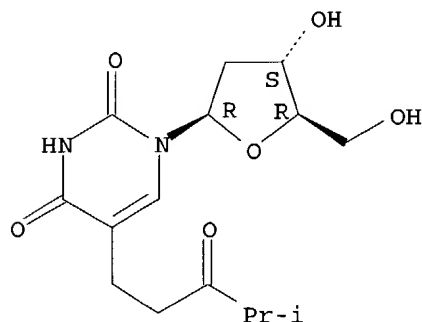
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 56123997	A2	19810929	JP 1980-26588	19800305
PRIORITY APPLN. INFO.:			JP 1980-26588	19800305
OTHER SOURCE(S): CASREACT 96:7038				
IT 77181-59-0P				
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)				
RN 77181-59-0 CAPLUS				
CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1981:209120 CAPLUS  
 DOCUMENT NUMBER: 94:209120  
 TITLE: C-5-Substituted pyrimidine nucleosides. 3. Reaction of allylic chlorides, alcohols, and acetates with pyrimidine nucleoside derived organopalladium intermediates  
 AUTHOR(S): Bergstrom, Donald E.; Ruth, Jerry L.; Warwick, Paul  
 CORPORATE SOURCE: Dep. Chem., Univ. California, Davis, CA, 95616, USA  
 SOURCE: Journal of Organic Chemistry (1981), 46(7), 1432-41  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 76334-56-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)  
 RN 76334-56-0 CAPLUS  
 CN Uridine, 2'-deoxy-5-(4-methyl-3-oxopentyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2004 ACS on STN  
 ACCESSION NUMBER: 1981:157166 CAPLUS  
 DOCUMENT NUMBER: 94:157166  
 TITLE: Synthesis and antiherpesviral activity of 5-C-substituted uracil nucleosides  
 AUTHOR(S): Sakata, Shinji; Shibuya, Susumu; Machida, Haruhiko; Yoshino, Hiroshi; Hirota, Kosaku; Senda, Shigeo; Ikeda, Kazuyoshi; Mizuno, Yoshihisa  
 CORPORATE SOURCE: Res. Lab., Yamasa Shoyu Co., Ltd., Choshi, 288, Japan  
 SOURCE: Nucleic Acids Symposium Series (1980), 8, s39-s42

DOCUMENT TYPE: Journal  
 LANGUAGE: English

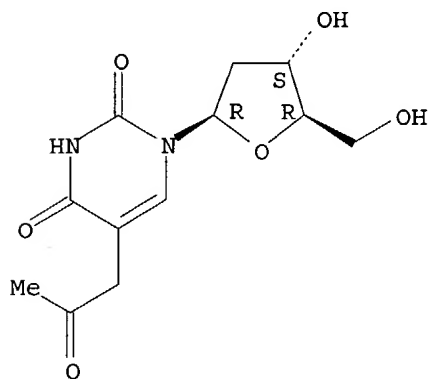
IT 77181-59-0P 77181-67-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and antiviral activity of)

RN 77181-59-0 CAPLUS

CN Uridine, 2'-deoxy-5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

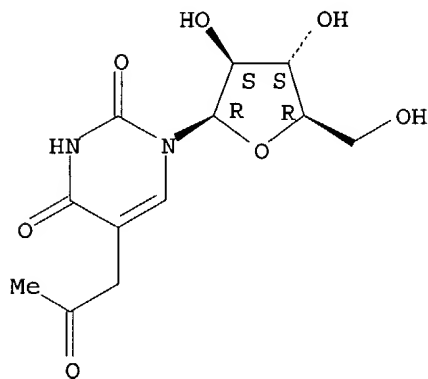
Absolute stereochemistry.



RN 77181-67-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 1-β-D-arabinofuranosyl-5-(2-oxopropyl)-  
 (9CI) (CA INDEX NAME)

Absolute stereochemistry.



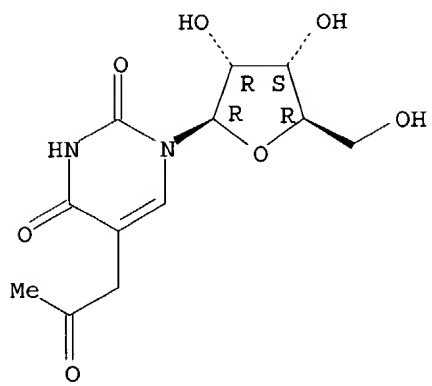
IT 77181-66-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cyclization of)

RN 77181-66-9 CAPLUS

CN Uridine, 5-(2-oxopropyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



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